`Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Due\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Quiz \_\_\_\_\_\_\_\_\_

Math: \_\_\_\_\_\_\_\_\_\_\_

**Quiz Review | Quiz on Multiplying & Dividing Fractions**

\*See your class notes/homework to help you complete the problems below\*

**Modeling Fraction Multiplication**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1) Draw a model for ⅗ x ⅓ | 2) Write an equation for the model below:  \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |  |  |  |  |  | |

**Multiplying Fractions**

|  |  |
| --- | --- |
| 3a) Which of the following statements are **true**? Select **all** that apply.   1. × is greater than 2. × 2 is less than 3. × is less than 4. x ⅜ is equal to ⅜ 5. × 3 is greater than 3 | 3b) Explain **one** of your choices. How do you know that it’s true? |

Show your work to multiply. Reduce before you multiply if it is possible.

|  |  |  |
| --- | --- | --- |
| 4) | 5) | 6) Find of 49 |

|  |  |
| --- | --- |
| 7)  ⅗ of Baby Juice’s toys are dinosaurs. ⅓ of his dinosaurs are green. What fraction of Baby Juice’s toys are green dinosaurs? | 8) Find the area of the model below: |

**6.3A Modeling Fraction Division**

|  |  |  |
| --- | --- | --- |
| **9.**  Use the bars **or** number line below to model the division of 6   |  | | --- | |  | |  |     = \_\_\_\_\_\_\_\_\_ |

**6.3 Dividing Fractions** (Algorithm)

|  |  |  |
| --- | --- | --- |
|  | **Rewrite as multiplication** | **Solve and simplify** |
| 10. |  |  |
| 11. |  |  |
| 12. |  |  |

**Application-** Show your work to solve the problems below. Write your final answer in simplest form.

**13.** You and two friends are sharing 3/4 a pound of chocolate. What fraction of a pound will each of you get if you share the chocolate equally?

|  |
| --- |
|  |

**14.** ½ of a cup of M&Ms is considered 1 serving. How many servings of M&Ms are there in a bag that contains 4 cups of M&Ms?

|  |  |
| --- | --- |
|  | |